

ABSTRACT OF THE DISCLOSURE

5 Mutants of Kunitz domain 1 (ITI-D1) of human inter- α -
trypsin inhibitor (ITI), are useful as inhibitors of human
neutrophil elastase. Mutants characterized by one or more
of the following substitutions (numbered to correspond to
bovine pancreatic trypsin inhibitor, the archetypal Kunitz
domain) are of particular interest: (a) Val15 or Ile15, (b)
Ala16, (c) Phe18, (d) Pro19, (e) Arg1, (f) Pro2, and/or (g)
10 Phe4.

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